

OI-6400 Quad Sensor Assembly

The Otis Instruments OI-6400 Series is a versatile ambient air quad gas detector designed for comprehensive gas monitoring in industrial environments. Equipped with four sensor elements, including Electrochemical, Infrared, PID, Refrigerant, or a combination of each, the

OI-6400 offers broad gas detection capabilities with enhanced safety features, including visual and audible alarms.

Key Features:

- **Quad Gas Detection:** Supports four sensor elements per unit, allowing for simultaneous monitoring of multiple gases with flexibility in sensor selection:
 - * Electrochemical sensors for toxic gases
 - * Infrared sensors for combustible gases
 - * PID sensors for volatile organic compounds (VOCs)
 - * Refrigerant sensors for HVAC and cooling systems
- **Integrated Visual and Audible Alarms:**
 - * **Top-Mounted Strobe Light:** Provides a clear visual alert when gas levels exceed alarm thresholds, with color options including Red, Amber, and Blue.
 - * **Bottom-Mounted Piezo Siren:** Delivers a loud audible alarm, ensuring immediate awareness of potential hazards even in noisy environments.
- **Reliable Communication Outputs:** Equipped with:
 - * 4-20 mA analog output for integration with control systems.
 - * RS-485 Modbus output for seamless data communication with industrial automation systems.
- **Flexible Power Options:** Includes:
 - * Standard AC power supply with a 6-foot cord for quick installation and power-up.
 - * Remote Sensor Kit version powered by DC with a 25-foot cable and battery clips for portable and flexible deployment.
- **Remote Sensor Kit Version:** Features 4 remote sensor housings with 50 feet of cable per housing, ideal for monitoring hard-to-reach areas while maintaining centralized control.

Ideal For:

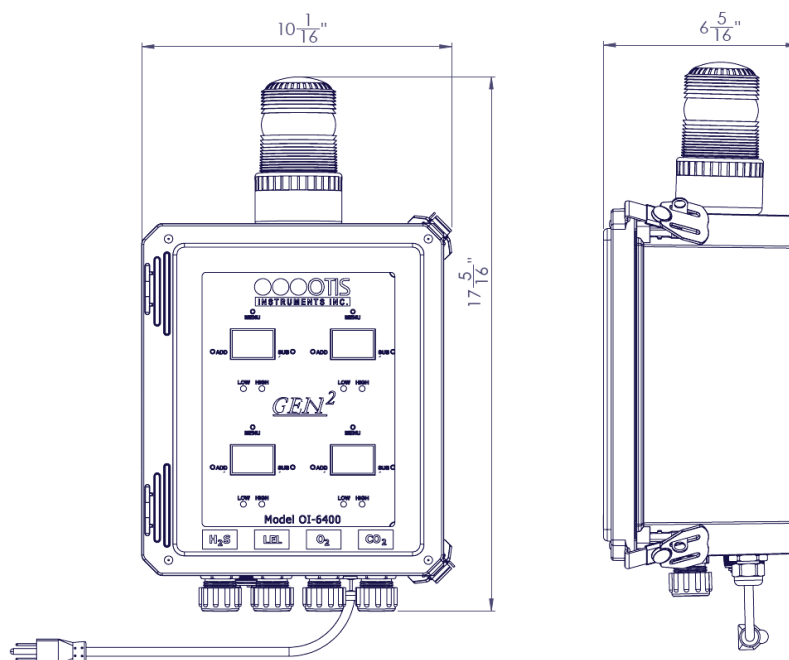
- Industrial safety systems
- Chemical processing facilities
- HVAC and refrigerant monitoring
- Manufacturing and production environments

The Otis Instruments OI-6400 Series offers reliable and advanced gas detection, combining sensor versatility, integrated strobe and siren alarms, and flexible power options to provide robust safety measures and enhanced operational efficiency in critical monitoring applications.



Non-Explosion Proof Wired Power Ambient Air Quad Gas Detector

| Product Specifications | |
|------------------------------------|--|
| Sensor Types | Electrochemical, Infrared, Photo Ionization Detector |
| Power Voltage | AC Power Supply Input Voltage 100-240VAC |
| DC Power Draw | 2 Amps Maximum at 24VDC |
| Protection | Power Electromagnetic Interference (EMI) Filter 4-20 mA Surge Suppression RS-485 Surge Suppression |
| Display Screen | Four 102x64 Resolution Graphical LCD Screens with LED Backlights |
| Interface | 3 Push-Buttons (MENU, ADD, and SUB) per Control Board |
| Customizable Settings | 2 Individually-Configurable Alarm LED Set-Points (per Control Board) |
| Built In Alarms | Red, Amber, Blue or LED Tri-Light Strobe Light Miniature Dual Tone Buzzer |
| T _{amb} Temperature Range | -20°C to +54°C / -4°F to 130°F |
| Wired (Analog) Output | 4-20 mA (3-Wire) & Fault Terminal (per Control Board) |
| (Digital) Output | RS-485 Modbus (per Control Board) |
| Product Dimensions | 17 5/16" T x 10 1/16" W x 6 5/16" D |
| Total Weight | 11 lbs. |
| Hardware Warranty | Limited one year |
| Sensor Element Warranties | Varies with Gas Type, Subject to Otis Verification |
| Part Number Formula | OI-6400-[Strobe Color]-[Remote Sensor Kit] |
| | Strobe Color Options |
| | R – Red Strobe Light |
| | A – Amber Strobe Light |
| | B – Blue Strobe Light |



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